

# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/IB 03/04009

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11C17/02 G11C11/16 G11C11/15

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 073624 A (JUNG THOMAS A ;MEYER ERNST (CH); PAUL SCHERRER INST PSI (CH); BAUM) 19 September 2002 (2002-09-19)	7,8
Y	page 4, line 2 -page 8, line 15 page 14, line 8 -page 22, line 13 figures 4-16	1-6,9
X	US 5 317 533 A (ALBRECHT THOMAS R ET AL) 31 May 1994 (1994-05-31)	7,8
Y	column 4, line 25 -column 5, line 4	1-6,9
X	US 3 403 389 A (DONALD MAIN ALEXANDER ET AL) 24 September 1968 (1968-09-24) column 1, line 13 -column 4, line 7; figures 1-3	1,7-9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

22 January 2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 978 256 A (HONG SUNG-CHUL ET AL) 2 November 1999 (1999-11-02) column 1, line 54 -column 2, line 67	3
A	EP 0 644 529 A (FUJITSU LTD) 22 March 1995 (1995-03-22) figures 2,3 column 4, line 31 -column 6, line 18	6
A	EP 0 996 113 A (JAPAN SCIENCE & TECH CORP) 26 April 2000 (2000-04-26) page 2, line 5 -page 3, line 40	1-9

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/IB 03/04009

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02073624	A	19-09-2002	US 2002131297 A1 WO 02073624 A2 US 2003133324 A1	19-09-2002 19-09-2002 17-07-2003
US 5317533	A	31-05-1994	US 4906840 A DE 68921471 D1 DE 68921471 T2 EP 0407460 A1 JP 3103885 B2 AU 3353589 A AU 3530889 A AU 3976089 A DE 68917913 D1 DE 68918088 D1 EP 0397799 A1 EP 0404799 A1 JP 2752755 B2 JP 3504762 T JP 2833807 B2 JP 3503586 T JP 3503463 T WO 8907258 A2 WO 8907259 A2 WO 8907256 A1 US 4912822 A US 5017266 A US 5129132 A US 5248912 A	06-03-1990 06-04-1995 20-07-1995 16-01-1991 30-10-2000 25-08-1989 25-08-1989 25-08-1989 06-10-1994 13-10-1994 22-11-1990 02-01-1991 18-05-1998 17-10-1991 09-12-1998 08-08-1991 01-08-1991 10-08-1989 10-08-1989 10-08-1989 03-04-1990 21-05-1991 14-07-1992 28-09-1993
US 3403389	A	24-09-1968	GB 965596 A CH 413907 A DE 1206018 B FR 1354540 A NL 291361 A	06-08-1964 31-05-1966 02-12-1965 06-03-1964
US 5978256	A	02-11-1999	KR 265692 B1	15-09-2000
EP 0644529	A	22-03-1995	JP 2924630 B2 JP 7141601 A DE 69421780 D1 DE 69421780 T2 EP 0644529 A2 US 5717630 A	26-07-1999 02-06-1995 30-12-1999 09-03-2000 22-03-1995 10-02-1998
EP 0996113	A	26-04-2000	EP 0996113 A1 US 6504665 B1 CN 1109329 B WO 9950833 A1 JP 3153252 B2	26-04-2000 07-01-2003 21-05-2003 07-10-1999 03-04-2001